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PTO/SB/21 (6-98)  
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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	<b>Application Number</b>	09/877,457	
	<b>Filing Date</b>	06/08/2001	
	<b>First Named Inventor</b>	DONG	
	<b>Group Art Unit</b>	1745	
	<b>Examiner Name</b>	Unknown	
<b>Total Number of Pages in This Submission</b>	218	<b>Attorney Docket Number</b>	5692-002

ENCLOSURES (check all that apply)		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Robert H. Barrigar 26125
Signature	
Date	09/25/2001

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Paper No.: \_\_\_\_\_

**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

Patent Examining Operations

Patent Application

Inventors: DONG and SHEN  
Title: **SOLID CAGE FUEL CELL STACK**  
Filed: 8 June 2001  
Date: 25 September 2001  
To: The Commissioner of Patents & Trademarks  
Washington, D.C.  
20231

Dear Sir:

*Handwritten: # 2 PW*  
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**Disclosure Statement Pursuant to 37 C.F.R. §1.56**

Preliminary to the examination of this application, the Applicant wishes to draw the Examiner's attention to the references listed on the attached copy of form PTO/SB/08A. For the Examiner's convenience, copies of each of the listed references are submitted herewith.

**REMARKS**

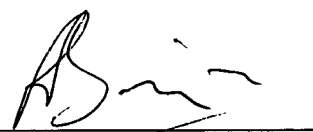
The Applicant has, and encloses (attached to Japan patent application 6-68885), an English-language abstract for Japan patent application 6-68885 but the individuals designated in 37 C.F.R. § 1.56(c) do not have an English translations of the specification or claims. In the following comments, the Applicant is relying on what is apparent from the English-language abstract of the Japanese patent specifications in combination with the drawings in the application. Further to 37 C.F.R. § 1.98(a)(3)(i), the

applicant understands Japan patent application 6-68885 (listed under Foreign Patent Documents in form PTO/SB/08A) to disclose an integrated method for manufacturing a solid, crack-resistant, electrolytic fuel cell. The resulting fuel cells appear to have arrays of columns interposed between a flat plate and the membrane electrode assembly (MEA) so as to create cavities for the passage of gases within the fuel cells. The applicant understands that these columns conduct the electrical current created during the operation of the fuel cell stack; that the columns of all the fuel cells are aligned so as to bear the compression load of the fuel cell stack; and that conventional internal manifolds are used in the embodiment disclosed in Japan patent 6-68885.

The applicant submits that the invention disclosed in Japan patent application 6-68885, as currently understood by the applicant, may have minor relevance to the general concept of conventional plate and rod PEM fuel cell stack design, but has no significant relevance to the invention disclosed in this application..

Respectfully submitted,

By:



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Victoria, British Columbia

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: DONG, Zuomin and SHEN, John J.Y.  
Application No./Patent No.: \_\_\_\_\_ Filed/Issue Date: HEREWITH  
Entitled: SOLID CAGE FUEL CELL STACK  
PALCAN FUEL CELL CO. LTD. a CORPORATION  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.  
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

May 29, 2001  
Date

Jim McBeth  
Typed or printed name  
[Signature]  
Signature  
CEO  
Title